**Slum Rehabilitation in Mumbai**

*649. SHRI SATISH PRADHAN: Will the Minister of RAILWAYS be pleased to state:

(a) whether Government have requested for NOC from the Maharashtra Government to their ambitious programme of free housing to the slum dwellers in Mumbai, under Slum Rehabilitation Programme; and

(b) if so, the response of that Government thereto and the steps taken or proposed to be taken in this regard?

THE MINISTER OF RAILWAYS (SHRI NITISH KUMAR): (a) No, Sir.

(b) Does not arise.

**Development of New Seeds**

† *650. SHRI KAPIL SIBAL:
SHRI RAM JETHMALANI:

Will the Minister of AGRICUTURE be pleased to state:

(a) whether it is a fact that to enhance the production and quality of various varieties of wheat, cotton, sugarcane, paddy, pulses and oilseeds, new varieties of seeds have been developed in Research Laboratories during the last three years;

(b) if so, the grain-wise details of the seeds developed; and

(c) the productivity and quality thereof?

THE MINISTER OF AGRICULTURE (SHRI AJIT SINGH): (a) Yes, Sir.

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† Original notice of the question was received in Hindi.

(b) and (c) The grain-wise/crop-wise details of the seeds/varieties developed and their productivity and quality characteristics are given in Statement.

***Statement***

*Crop/grain-wise details of important varieties/hybrids developed during 1999-2001*

| Name of variety/ hybrid | Year of release | Yield Potential (q/ha) | Area of adaptation | Important/Quality characteristics |
|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 |
| WHEAT | | | | |
| Malviya 468 (HUW 468) | 1999 | 42.00 | North-eastern plain zone i.e. Uttar Pradesh, Bihar and West Bengal | Resistant to stripe rust, leaf blight karnal bunt & losse smut, good in grain appearance protein content |
| Shresth (HD 2687) | 1999 | 50.00 | North Western plain zone which including Western Uttar Pradesh, Delhi, Punjab, Haryana & Eastern part of Rajasthan (except Kota and Udaipur) | Resistance against brown rust |
| UP 2425 | 1999 | 38.00 | North western plain zone as above | Resistant to yellow, brown & black rusts |
| MalavShakti | 1999 | 44.00 | Central zone comprising of MP, Gujarat, Southern parts of Rajasthan (Kota & Udaipur Distt.) &, Bundelkhand region of UP. | Resistant to leaf rust and stem rust |

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|
| KRL-19 | 1999 | 45.00 | Recommended for Punjab, Haryana, Delhi, Western UP, Alwar, Bharatpur, Sriganganagar region of Rajasthan, Una & Paonta valley of HP and salt affected soils of North Western & North Eastern plains West Bengal under irrigated timely sown condition. | Tolerant to salinity |
| PBW 396 | 1999 | 39.00 | North, Western plain zone comprising of Punjab, Haryana, Delhi, Western UP Bharatpur, Alwar, Sriganganagar region of Rajasthan & Una & Paonta valley of HP under timely sown conditions. | Tolerant to wheat rusts |
| PBW 443 | 1999 | 40.00 | NEPZ comprising Rajasthan, UP, Bihar, West Bengal, Assam, Orissa and hills of HP under irrigated timely sown conditions. | Tolerant to wheat rusts |
| Malav Ratna | 1999 | 22.00 | Central zone comprising MP, Gujarat, Southern Rajasthan and Bundelkhand region of UP under timely sown rainfed conditions. | Tolerant to wheat rusts. |

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|
| K-9644 | 1999 | 17.00 | Penninsular zone comprising of Maharashtra, Karnataka, Andhra Pradesh under timely sown rainfed conditions | Suitable for rainfed and low fertility conditions. |
| HD-273 | 1999 | 48.00 | North-eastern plain zone-eastern UP, Bihar, West Bengal, Orissa and Assam. | Tolerant to wheat rusts |
| Malviya Wheat 510 | 1999 | 36.00 | For peninsula zone of India | Tolerant to leaf and stem rusts, protein contents(12%) |
| COTTON | | Seed Cotton q/ha. | | |
| Sumangala | 2000 | 13.0 | Rainfed and irrigated tracts of South Zone comprising of AP, Karnataka and Tamilnadu | Medium staple; 30s count; good fibre maturity, fibre elongation |
| PRATIMA | 2001 | 15.0 | Irrigated tracts of South Zone as above | Good fibre properties |
| LHH 144 | 1998 | 20—22 | North Zone comprising of Punjab, Haryana, Rajasthan and Western UP | Leaf curl virus disease tolerant i |
| BUNNY | 2001 | 25-26 | Irrigated tracts of South Zone comprising of AP, Karnataka and Tamilnadu | Good fibre qualities |
| Sruthi | 1998 | 30 | South Zone comprising of AP, Karnataka and Tamilnadu | 38 mm; 80s count; short stature and early manuring type (140—150 days) |

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|
| NFHB 109 | 1998 | 20 | Central Zone comprising states of Maharashtra, MP and Gujarat | Good fibre properties |
| AAH 1 | 1999 | 25 | North Zone comprising of Punjab, Haryana, Rajasthan and Western UP | Male sterility based desi hybrid |
| SUGARCANE | | q/ha | | |
| Co 85004 | 2000 | 905 | Peninsular Zone comprising MP, Gujarat, AP, Maharashtra, Karnataka, Tamilnadu | Resistant to smut; 195% sucrose content |
| Co 87025 | 2000 | 982 | Peninsular Zone comprising. MP, Gujarat, AP, Maharashtra, Karnataka, Tamilnadu | Resistant to smut and drought tolerant; 18.3% sucrose content |
| Co 86032 | 2000 | 1020 | Peninsular Zone comprising MP, Gujarat, AP, Maharashtra, Karnataka, Tamilnadu | Resistant to smut and drought tolerant; 20.1% sucrose content |
| Co 87044 | 2000 | 1010 | Peninsular Zone comprising MP, Gujarat, AP, Maharashtra, Karnataka, Tamilnadu | Resistant to smut; 18.3% sucrose content |
| Co 91.10 | 2000 | 1160 | Peninsular Zone comprising MP, Gujarat, AP, Maharashtra, Karnataka, Tamilnadu | Resistant to smut; 19.1% sucrose content |

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|
| Co 8371 | 2000 | 1177 | Peninsular Zone comprising MP, Gujarat, AP, Maharashtra, Karnataka, Tamilnadu | Resistant to red rot; 18.6% sucrose content. |
| Co 86249 | 2000 | 1042 | East Coast Zone comprising Orissa, Coastal AP and Tamilnadu | Resistant to red rot and smut; 18.7% sucrose content |
| Pant 90223 | 2000 | 733 | North West Zone comprising Punjab, Haryana, UP (West and central) | Moderately resistant to red rot 18.5% sucrose content |
| CoS 91230 | 2000 | 682 | North West Zone comprising Punjab, Haryana, UP (West and central) | Moderately resistant to red rot; 188% sucrose content |
| Co .87263 | 2000 | 663 | North Central Zone comprising East UP, Bihar and West Bengal | Moderately resistant to red rot; 17.4% sucrose Content |
| Co 87268 | 2000 | 789 | North, Central Zone comprising East UP, Bihar and West Bengal | Moderately resistant to red rot; 17.5% sucrose content |
| Co 89029 | 2001 | 706 | North Central Zone comprising East UP, Bihar and West Bengal | Moderately resistant to red rot; 16.3% sucrose content |
| CoSe95422 | 2001 | 677 | North Central Zone comprising East UP, Bihar and West Bengal | Moderately resistant to red rot; 17.6% sucrose content |
| CoSe92423 | 2001 | 701 | North Central Zone comprising East UP, Bihar and West Bengal | Moderately resistant to red rot; 17.5% sucrose content |

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|
| PADDY | | | | |
| VL-Dhan 81 | 1999 | 40.00 | Valley and hilly areas of UP, Himachal Pradesh and Meghalaya | Resistant to leaf and neck blast, long blend awlness grains |
| Pooja | 1999 | 40—50 | Rainfed shallow water condition of Assam, Madhya Pradesh, Orissa, Tripura and West Bengal | Tolerant to BLB Blast, RTV, Medium slender grains |
| CSR-13 | 1999 | 55—65 | For Haryana, Eastern and Central Uttar Pradesh and coastal saline soils, of Maharashtra, Gujarat, Kerala, Tamilnadu and West Bengal | Tolerant to leaf blast leaf folder bacterial leaf blight, Sheath rot. white stigma slender grain |
| CSR-27 | 1999 | 60—65 | Released for cultivation in Alkaline (sodic) soils of UP and Haryana and coastal saline soils of Maharashtra, Gujarat, Kerala; Tamilnadu & West Bengal | Tolerant against Blast & BLB, Long slender grain |
| Vivek Dhan 62 | 1999 | 46.00 | Valley and hilly areas of UP, HP, Manipur & West Bengal | Resistant to leaf and neck blast and sheath rot, short bold straw coloured awlness grains |
| 6201 (PA 103) hybrid | 199" | 60.00 | UP, Bihar. West Bengal, Orissa, Tripura, A.P. & Karnataka | Resistant to Blast & leaf folder |

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|
| Pant Dhan-16 | 2001 | 40.00 | Bihar, West Bengal & Haryana | Resistant to leaf & brown spot diseases, short bold grain with high milling recovery |
| Vivek Dhan-82 | 2001 | 45—50 | Hilly areas of Uttranchal, HP, Meghalaya | Resistant to leaf & neck blast, long bold grain |
| 6444 (hybrid) (HRI-120) | 2001 | 60.00 | Telengana region of AP, Southern Karnataka, Konkan region of Maharashtra, Eastern UP, Orissa and Tripura | Resistant to neck blast & rice tungro virus, good cooking & catering quality, high milling recovery |
| Pusa Sugandh-2 (Aromatic Basmati type) | 2001 | 37-38 | North Western plain zone-Uttranchal, Western UP, Delhi, Punjab & Haryana | Resistant to blast & neck blast, extra long grains with strong aroma high milling recovery |
| Pusa Sugandh-3 (Aromatic Basmati type) | 2001 | 39-40 | North Western plain zone-Uttranthal, Western UP, Delhi, Punjab & Haryana | Resistant to blast & brown spot, aroma appealing taste and excellent cooking |
| Pusa RH-10 (Hybrid) | 2001 | 43-44 | Uttranchal, Western, UP, Delhi, Haryana | Resistant to Tungro virus, brown plant hopper & leaf folder, aromatic, superfine grained hybrid |

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|
| Krishna Hamsa | 2001 | 52.00 | Boro areas of Tripura, Bihar & West Bengal | Resistant to blast and brown spot, excellent grain quality fit for export |
| Vasumati (Aromatic type basmati) | 2001 | 42—50 | UP, J&K, Rajasthan | Resistant to leaf blast & brown spot, long slenderaromatic grains |
| CSR-30 (Yamini) | 2001 | 30—35 | UP, Haryana, Punjab for sodic soils | Tolerance to blast sheath rot, rice tungro virus, good head rice recovery after cooking comparable to Taraori Basmati |
| **OILSEED** | | | | |
| **SESAME** | | | | |
| TKG-55 | 1999 | 6.30 | Eastern Uttar Pradesh, Madhya Pradesh, Bihar, Orissa, West Bengal and N.E. States | White seeded, tolerant to *PhytopMhora blight,* leaf curl, Macrophomina stem and root-rot and capsule borer |
| JTS-8 | 2001 | 6.25 | Madhya Pradesh, Uttar Pradesh, Rajasthan, Maharashtra, Gujarat and adjoining parts of, Andhra Pradesh and Karnataka | Moderately resistant to Macrophomina stem/ root **rot.** |
| **SUNFLOWER** | | | | |
| MLSFH-47 (H) | 2000 | 15.00 | Maharashtra, Andhra Pradesh, Karnataka, Tamil Nadu, Orissa, Gujarat, Madhya Pradesh | Resistant to downy mildew, tolerant to jassids and Hiliothis |

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|
| CASTOR | | | | |
| GCH-6 (H) | 1999* | 30.00 | Gujarat, Rajasthan and Maharashtra | Tolerant to white tly, jassids, thrips and root-rot. |
| Deepak (DSH 177) (H) | 2000 | 15.00 | Andhra Pradesh, Tamil Nadu, Karnataka and Maharashtra | Resistant to wilt and white fly. |
| LINSEED | | | | |
| LCK-9216 (Rashmi) . | 1999 | 10.00 (Seed) 7.00 (Fibre) | Uttar Pradesh, Bihar, Assam, West Bengal and Kota command areas of Rajasthan | Double purpose variety. Resistant to rust wilt, powdery mildew, tolerant to *Alternaria blight* and bud fly. |
| LMH-62 (Padmini) | 1999 | 9.40 (Seed) rainfed | Madhya Pradesh, Rajasthan, Bundelkhand region of Uttar Pradesh, Maharashtra, Karnataka and Orissa | Resistant to powdery mildew and tolerant to rust, wilt and bud fly. Suitable for rainfed conditions. |
| Sheela (LCK (9211) | 2000 | 13.00 (Seed) rainfed | Himachal Pradesh, Haryana, Punjab and Jammu and Kashmir | Resistant to rust, wilt, powdery mildew tolerant to *Ascochyta blight* and bud fly. Suitable for rainfed conditions. |
| Shekhar (LCK 9313) | 2000 | 15.55 (Seed) (Irrigated) 9.20 (Rainted) | Uttar Pradesh (exdudng Bundelkhand), Bihar, West Bengal and Assam | Resistant to rust, wilt powdery mildew, tolerant to *Ascochyta blight.* Suitable for rainfed conditions. |

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|
| Meera | 2000 | 1400 | Uttar Pradesh, Bihar, | Double purpose |
| (RL 993) | | (Seed) 1000 (Fibre) | West Bengal, Assam and Kota command area of Rajasthan. | variety. Resistant to rust, wilt and powdery mildew, tolerant to *Alternaria blight* and bud fly. Suitable for irrigated conditions. |
| **Parvati** | 2000 | 16.00 | Uttar Pradesh, Bihar, | Double purpose |
| (LMH 16-5) | | (Seed) 10.20 (Fibre) | West Bengal, Assam and Kota command area of Rajasthan. | variety. Resistant to rust and powdery mildew and tolerant to wilt *Alternaria blight* and bud fly. Suitable for irrigated conditions. |
| **GROUNDNUT** | | | | |
| CSMG 884 | 1999 | 22.80 | Uttar Pradesh, Rajasthan and Punjab | Moderately resistant to early and late spot and bud necrosis, bold seeded. |
| HNG 10 | 1999 | 19.00 | Uttar Pradesh, Rajasthan and Punjab | Medium bold seeded, suitable for irrigated and rainfed conditions. |
| LGN 2 | 2000 | 15.00-20.00 | Gujarat and Southern Rajasthan | Tolerant to sucking pests, suitable for early sown rainfed conditions. |
| VRI Gn 6 (VG 9521) | 2001 | 23.20 | Tamil Nadu, Andhra Pradesh, Kerala, Karnataka and South Eastern Maharashtra | Less susceptible to rust and late leaf spot. |
| GG-7 (J-38) | 2001 | 21.50 | Gujarat and Southern Rajasthan | — |

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|
| RAPESEED-MUSTARD | | | | |
| VSL-5 | 1999 | 17.90 | Irrigated areas of Uttar Pradesh, Rajasthan and Madhya Pradesh | __ |
| RTM-314 (Karan Tara) | 2001 | 10.50 | All Taramira growing areas. | Tolerant to moisture stress. Moderately resistance to downy and powdery mildew. |
| Aravali (RN-393) | 2001 | 14.60 | Rajasthan, Parts of Haryana and Punjab | Moderately resistant to Alternaria blight and white rust. |
| SOYBEAN | | | | |
| MACS-450 | 1999 | 30.00 | Maharashtra, Karnataka, Tamil Nadu and Andhra Pradesh | Resistant IO yellow Mosaic Virus, bacterial pustule and tolerant to pod shattering. |
| Ahilya 4 (NRC 37) | 2000 | 30.00-35.00 | South West Uttar Pradesh, Madhya Pradesh, Maharashtra and Gujarat | Resistant to collar rot, bacterial pustule, pod blight and bud blight like syndrome diseases and to stem fly and leaf minor insect pests. |
| Parbhani Sona (MAUS 47) | 2000 | 25.00-30.00 | ^South West Uttar Pradesh, Madhya Pradesh, Maharashtra and Gujarat | Early maturing, resistant to bud blight, brown spots, anthracnose Cercospora leaf spot,soybean mosaic virus, rhizoctonia blight, collar rot and insect pests like semilooper and tobacco caterpillar. |

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|
| Indira Soya 9 | 2000 | 20.00-25.00 | Madhya Pradesh and Chhattisgarh | Moderately resistant to rust and resistant to stem fly. |
| Hara Soya (Himso 1563; | 2000 I | 20.00-25.00 | Himachal Pradesh and Uttaranchal | Tolerant to major diseases and major pests, suitable for culinary purposes. |
| **PULSES CHICKPEA** | | | | |
| GCP 101 (Gujarat Gram-1) | 1999 | 18-22 | South West Uttar Pradesh, Madhya Pradesh, Maharashtra and Gujarat | Tolerant to wilt. |
| Pusa 1003 (Kabul!) | 1999 | 18-20 | Eastern Uttar Pradesh, Bihar, West Bengal and Orissa | Bold seeded, tolerant . to wilt. |
| BDG-72 (Pusa Pragati) | 1999 | 20 | South West Uttar Pradesh, Madhya Pradesh, Maharashtra and Gujarat | Bold seeded, resistant to wilt and root rot, drought tolerant. |
| BG 1053 (Pusa Chamatkar) | 1999 | 20 | Punjab, Haryana, Rajasthan, Delhi and Western Uttar Pradesh | Bold seeded and moderately resistant to root diseases. |
| JG-11 | 1999 | 18-22 | Andhra Pradesh, Karnataka and Tamil Nadu | Tolerant to Fusarium wilt. |
| KAK2 | 1999 | 18 | South West Uttar Pradesh. Madhya Pradesh, Maharashtra and Gujarat | Extra bold seeded kabuli variety, moderately resistant lb fusarium wilt. |
| GCP 105 | 2000 | 18. | Eastern Uttar Pradesh, Bihar, West Bengal and Orissa | Moderately resistant to wilt. |

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|
| SAKI9516 | 2000 | 18-20 | South West Uttar Pradesh, Madhya Pradesh, Maharashtra and Gujarat | Resistant to wilt and moderately resistant to collar rot, BGM and Stunt. |
| PIGEONPEA | | | | |
| MA-3 (Malviya Vikalp) | 1999 | 20-22 | South West Uttar Pradesh, Madhya Pradesh, Maharashtra and Gujarat | Moderately tolerant to wilt and pod fly. |
| MUNGBEAN | | | | |
| HUM-1 | 1999 | 8-9 | South West Uttar Pradesh, Madhya Pradesh, Maharashtra and Gujarat, Andhra Pradesh, Karnataka and Tamil Nadu | Resistant to yellow mosaic virus. |
| PBM-2 | 2000 | 6 | Eastern Uttar Pradesh, Bihar. West Bengal and Orissa | Resistant to yellow mosaic virus. |
| Pusa 9531 | 2000 | 9 | South West Uttar Pradesh, Madhya Pradesh, Maharashtra and Gujarat | Resistant to yellow mosaic virus and tolerant to jassids and whitefly. |
| Pusa Bold-I (Vishal) | 2000 | 11 | Punjab, Haryana, Rajasthan, Delhi and Uttar Pradesh | Resistant to yellow mosaic virus and Western tolerant to jassids and whitefly. |

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|
| Ganga-8 | 2001 | 10.30 | Punjab, Haryana, Delhi, Rajasthan and Western U.P. Suited for summer and kharif season, irrigated and unirrigated conditions and early and late sown conditions. | Drought tolerant, moderately resistant to YMV and white fly. |
| **URDBEAN** | | | | |
| TU 94-2 | 1999 | 15 | Andhra Pradesh, Karnataka and Tamil Nadu | Resistant to yellow mosaic virus, moderately resistant to powdery mildew and for rabi season. |
| IPU 94-1 (Uttara) | 1999 | 12 | Punjab, Haryana, Rajasthan, Delhi and Western Uttar Pradesh, Eastern Uttar Pradesh, Bihar, West Bengal and Orissa | Resistant to yellow mosaic virus. |
| KU 92-1 (Azad Urd-1) | 1999 | 10 | Eastern Uttar Pradesh, Bihar, West Bengal and Orissa | Resistant to yellow mosaic virus, suitable for spring season. |
| RBU38 (Barkha) | 1999 | 12.5 | South West Uttar Pradesh, Madhya Pradesh, Maharashtra and Gujarat, Eastern Uttar Pradesh, Bihar, West Bengal and Orissa | Bold seeded, resistant to Cercospora leaf spot. |
| WBG26 | 1999 | 9.5 | Andhra Pradesh Karnataka and Tamil Nadu | Resistant to powdery mildew and yellow mosaic virus. |

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|
| Shekhar-2 KU300 | 2001 | 11.30 | Western U.P.. Delhi, Haryana, Punjab, Jammu, Rajasthan and Northern Madhya Pradesh during spring season. | Resistant to yellow mosaic virus, leaf crinkle, root rot and CLS. |
| LENTIL | | | | |
| JL 3 | 1999 | 14.5 | South West Uttar Pradesh, Madhya Pradesh, Maharashtra and Gujarat | Resistant to wilt. |
| IPL81 (Noori) | 2000 | 12.5 | South West Uttar Pradesh, Madhya Pradesh, Maharashtra and Gujarat | Bold seeded, tolerant to rust. |
| FIELDPEA | | | | |
| HUDP 15 (Malviya Matar 15) | 1999 | 23-24 | Eastern Uttar Pradesh, Bihar, West Bengal and Orissa | Resistant to powdery mildew. |
| DDR 23 | 2000 | 15.5 | Eastern Uttar Pradesh, Bihar, West Bengal and Orissa | Resistant to powdery mildew. |
| Pusa Panna (DDR-27) | 2001 | 17.60 | Punjab. Haryana, Western U.P., Rajasthan and Delhi | Resistance to powdery mildew. |
| MOTHBEAN | | | | |
| RMO-225 | 1999 | 5-5.5 | Rajasthan, Gujarat and Maharashtra | Drought tolerant, early maturity. |
| RMO-96 | 1999 | 5-6 | All mothbean growing areas | Suitable for light alluvial to heavy soils and rainfed conditions. |

| 1 | 2 | 3 | 4 | 5 |
|---|---|---|---|---|
| CAZRI Moth-1 | 1999 | 5.5-6.5 | All mothbean growing areas | Drought tolerant, yellow mosaic virus resistant. |
| HORSEGRAM | | | | |
| AK-21 | 1999 | 8-8.5 | Punjab, Haryana, Rajasthan, Delhi and Western Uttar Pradesh | Tolerant to anthracnose, early maturing suitable for rainfed areas. |
| Paiyur-2 | 1999 | 8-8.5 | Andhra Pradesh, Karnataka and Tamil Nadu | Suitable for September-October rainfed situations in groundnut and gingelly sequences in South Zone. |
| GUAR | | | | |
| RGC-I002 | 1999 | 10 | All guar growing areas | Suitable for rainfed conditions |
| RGC-986 | 1999 | 10 | All guar growing areas | Suitable for rainfed conditions |

**AC coaches in Utkal Express**

*651. MS. MABEL REBELLO: Will the Minister of RAILWAYS be pleased to state:

(a) what has been the percentage of utilization of First AC berths in trains during the last three years, zone-wise;

(b) the percentage of Second AC seats that were sold out, during the same period;

(c) whether it is a fact that Utkal Express has First AC twice a week, and nobody knows about it and hence, nobody travels in it;

(d) whether it is also a fact that.the Station Master and TCs